For research purposes only, not for human use

# Product Data Sheet

## Anti-NKX3-1 Antibody

| Catalog # | Source | Reactivity | Applications |
|---|---|---|---|
| CPA1813 | Rabbit | H | WB, IH |

| | |
|---|---|
| **Description** | Rabbit polyclonal antibody to NKX3-1 |
| **Immunogen** | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human NKX3-1. The exact sequence is proprietary. |
| **Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Specificity** | Recognizes endogenous levels of NKX3-1 protein. |
| **Clonality** | Polyclonal |
| **Conjugation** | |
| **Form** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Dilution** | WB (1/500 - 1/1000), IH (1/100 - 1/200) |
| **Gene Symbol** | NKX3-1 |
| **Alternative Names** | NKX3.1; NKX3A; Homeobox protein Nkx-3.1; Homeobox protein NK-3 homolog A |
| **Entrez Gene** | 4824 (Human) |
| **SwissProt** | Q99801 (Human) |
| **Storage/Stability** | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish


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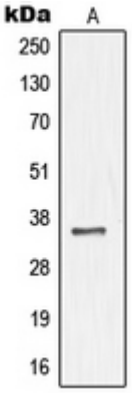
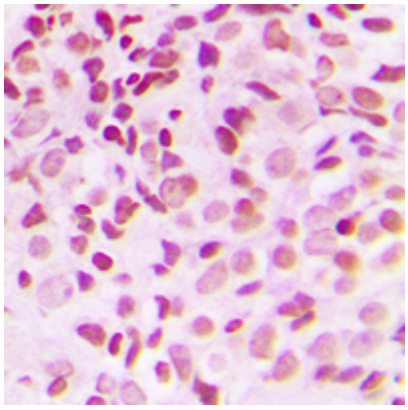



Western blot analysis of NKX3-1 expression in LNCaP (A) whole cell lysates. (Predicted band size: 26 kD; Observed band size: 35 kD)



Immunohistochemical analysis of NKX3-1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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